NITFS
Compliance Registration

Product: CIP V 6.8d with APG imagery

Sponsor: USAF CIP Program Office

Developer: Northrop Grumman Corporation

Date: 07 July 2008
Expiration: 08 July 2010
Registration #: 1030

- ☑ Initial Registration
- ☐ Supplemental/Update #____
- ☐ Derived from Reg. #____

☑ **System**
N-0105/98, §4.1.1

☐ **Product**
N-0105/98, §4.1.2

☐ **Component**
N-0105/98, §4.1.3

Complexity Level

NITF 2.1 CLEVEL

		3		5	6	7
Interpret						
Generate						

NITF 2.0 CLEVEL

	1	2	3	4	5	6	Oth
Interpret							
Generate							

Configurations Tested:
- 2 Servers (A&B); Compaq ES45, 1250 MHz*4CPUs and Tru64 UNIX®V5.1B

** NITF 2.0 feature
* NITF 2.1 feature

NITFS Features Implemented:

Format
NITF
- ◯ 🟢 V2.1
- ◯ ◯ V2.0
- ◯ V1.1

NSIF
- ◯ 🟢 V1.0

Pixel Value Types
- ◯ ◯ Boolean
- ◯ 🟢 Integer
- ◯ ◯ Signed Integer *
- ◯ ◯ IEEE Real *
- ◯ ◯ IEEE Complex *

Annotation Segment Types
- ◯ ◯ Bit Mapped **
- ◯ ◯ CGM, 2301
- ◯ ◯ CGM, 2301A
- ◯ ◯ Labels **

Text Segments
- ◯ ◯ STA
- ◯ ◯ UT1
- ◯ ◯ U8S
- ◯ ◯ MTF

Image Segment Types
- ◯ 🟢 MONO
- ◯ ◯ RGB
- ◯ ◯ RGB/LUT
- ◯ ◯ YCbCr
- ◯ ◯ MULTI
- ◯ ◯ NODISPLY
- ◯ ◯ POLAR

Image Compression
- ◯ 🟢 Not Compressed
- ◯ 🟢 JPEG Lossy, 8-bit
- ◯ ◯ JPEG Lossy, 12-bit
- ◯ ◯ JPEG Downsample
- ◯ ◯ JPEG Lossless
- ◯ ◯ JPEG 2000
- ◯ ◯ Bi-Level
- ◯ ◯ Vector Quantization
- ◯ ◯ Multispectral JPEG, Individual Band

Data Extension Segments
- ◯ 🟢 TRE_OVERFLOW
- ◯ ◯ STREAMING_FILE_HEADER
- ◯ ◯ Controlled Extensions **
- ◯ ◯ Registered Extensions **

Tagged Record Extensions
- ◯ 🟢 - ASDE
- ◯ 🟢 - MTXFIL
- ◯ ◯

Legend

Interpret	Generate	
🔵	🟢	Fully implemented/supported
🔵	🟢	Partially implemented/supported
◯	◯	Not implemented/supported

Registration does not guarantee that a product will meet all users' requirements. Potential users should evaluate the detailed test results to determine the suitability of a product for the intended use. Optional NITFS features may not be implemented.

CURTIS L. GREEN, Lt Col, USAF, Division Chief
Joint Interoperability Test Command
Executive Agent to National Geospatial-Intelligence Agency for the NITFS Test and Evaluation Program